



Analog  
Technology  
Corporation

LOW-COST HARDCOPY FOR TEKTRONIX GRAPHIC TERMINALS  
PROVIDED BY PLUG-IN BOARD FOR TEXAS INSTRUMENTS  
810 RO PRINTER

Analog Technology Corporation's new Model 190-T plug-in graphics conversion board allows the highly reliable Texas Instruments 810 RO matrix impact printer to serve as a low-cost preview hardcopy device for Tektronix graphic terminals. The ATC equipped 810 emulates the Tektronix 4631 and 4611 hardcopy units but it also has a Serial RS232 port which provides 150 characters-per-second printing at rates to 9600 baud, complemented by a 9,000-character buffer. Other features include a 96-character software font, two report-quality fonts, and a selectable expansion for all print and plot functions.

An end-user total system price of \$2,870.00 for the TEK-copier 810 compares favorably with the \$4,400.00, or greater, price range for copiers offered by Tektronix and others. Additional savings are provided since the system printer function is also provided by the 810. The 14-inch X 10.5 inch printout is more in scale with the graphics CRT dimensions, and a  $\frac{1}{4}$ ¢ copy cost offers cumulative savings when compared to 4¢ to 30¢ for other copiers.

The new Model 190 Series graphics conversion boards are a companion product to the highly successful Model 180 introduced last year for general raster graphics and special-character printing. The Model 190, however, uses a Z80 processor which performs all input data handling

and assembly functions, leaving the 810's 8080 processor free for efficient printhead control and substantially increased plotting speed. A 9,000-character buffer allows true instantaneous transmission rates of 9600 baud without interrupt, six times higher than a normal TI 810, and contributes to substantial savings in host CPU time. A 96-character software font allows the user to define and download his own characters for printing of barcode, APL, other languages, etc. Escape commands allow reduction of print-head speed to obtain true 120-dot-per-inch horizontal resolution and, through repeat overpass, produces an enhanced quality character print. The 190-T also provides bi-directional, seven-line, raster graphics plotting in two operational modes that define the manner in which the plot buffer is loaded.

The 190-T is plug-compatible with all Tektronix graphic terminals containing the hardcopy option which support the Tektronix 4631 and 4611 hardcopies.

Texas Instruments has announced that they will honor service warranties on all 810 printers containing the Model 180 graphics conversion board due to its plug-in, no-modification feature. Analog Technology anticipates that similar approval will be obtained for the new 190 Series boards.

End-user price for the Model 190-T, the Tektronix Copier version, is \$995.00.

For Immediate Release

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New WAVE Rolls In

"WAVE Computer Graphics, Inc. will bridge the wide gap between equipment manufacturers and end users in the \$600 billion visual communications industry already being revolutionized by computer graphics," said Ted L. Freeman, Chairman of the Board of the new firm opening its doors for business on September 1, 1981 in Washington, D.C.

"As dozens of new equipment manufacturers launch new products in competition with the growing lines of established vendors, a dazzling array of bits, bytes, pixels, zooms, roams, and so on (from over a hundred hardware sources) makes the job of designing a good system into a bewildering chore," Mr. Freeman added. "WAVE will be the 'Integrator' to help guide graphics customers through this maze in their choices for the most efficient systems for their needs at the most cost-effective figure, and will then write their software, produce their documentation, train their operators, and aid them through installation and implementation."

"As the future approaches, it is clear that a whole new generation of graphic systems will be needed to support broadband cable TV, direct broadcast satellite, teleconferencing and interactive video, which will be taking the place of the traditional distribution media in a world in love with electronics. This new generation of systems is what they are working on at WAVE Computer Graphics, too."

The President of WAVE is L. Mills Davis, who has been engaged in technical and management consulting and software development since 1966. He is joined by Stephen I. Cummings, a Civil Engineer with extensive experience in software development, computer graphics, finance and accounting and Board Room consulting.

For further information contact Ted L. Freeman at 414 Hungerford Drive, Suite 116, Rockville, Maryland 20850.

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